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Total Number of Pages in This Submission

Application Number

10/811,373

Filing Date

03/26/2004

First Named Inventor

Rueckes, et al.

Art Unit

2655

Examiner Name

TBA

Attorney Docket Number

112020.148US2 NAN-24

ENCLOSURES (Check all that apply)

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<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	1. PTO Form 1449 (3 pgs.)	
	2. <u>31</u> Publications	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Wilmer Cutler Pickering Hale and Dorr LLP		
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Printed name	Peter M. Dichiaro		
Date	1/28/05	Reg. No.	38,005

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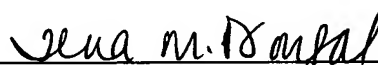
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: RUECKES, et al.
Application No.: 10/811,373 Examiner: To Be Assigned
Filed: March 26, 2004 Group Art Unit: 2655
For: Nanotube-On-Gate FET Structures and Applications
Atty. Docket No.: 112020.148 US1 (NAN-24)

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Tina M. Douglas

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Sir:

Applicants and their legal representatives hereby make of record on the attached Form PTO-1449 the following publications which are known to them and considered warranting disclosure under 37 C.F.R. §1.56 and 1.97-98.

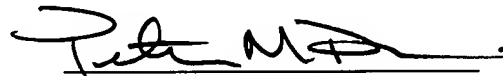
Copies of the publications listed on the attached Form PTO-1449, with the exception of the cited U.S. Patents and the U.S. published applications, are submitted herewith. It is respectfully requested that the Examiner initial and return a copy of the subject Form PTO-1449 with the next Patent Office communication.

The submission of these publications does not constitute a representation by the Applicants that a search has been made or that no better art exists and does not constitute an admission that the listed publications are material or constitute "prior art." Applicants reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed publications, should one or more of the publications be applied against the claims of the present application.

As this paper is being filed prior to the issuance of a first Office Action on the merits, and pursuant to 37 C.F.R. § 1.97(b)(3), no fee is believed to be due. In the event a fee is due, the Commissioner is authorized to charge any fee deficiency or credit any overpayment to Deposit Account No. 08-0219.

Respectfully submitted,

Dated: January 28, 2005



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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

3

Complete if Known

Application Number	10/811,373
Filing Date	March 26, 2003
First Named Inventor	Rueckes, et al.
Art Unit	2655
Examiner Name	TBA
Attorney Docket Number	112020.148US1 NAN-24

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
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		US-4,845,533	07-04-1989	PRYOR ET AL.	
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		US-2003/0124325	07-03-2003	RUECKES et al.	

Examiner
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/811,373
				Filing Date	March 26, 2003
				First Named Inventor	Rueckes, et al.
				Art Unit	2655
Examiner Name	TBA				
Sheet	2	of	3	Attorney Docket Number	112020.148US1 NAN-24

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	US-10/341005	01-13-2003		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2(If known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		WO 01/44796 A1	06-21-2001	Board of Trustees of the Leland Stanford Junior University	
		WO 01/03208	01-11-2001	President and Fellows of Harvard College	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A1	CHOI, W.B. et al., "Carbon-nanotube-based nonvolatile memory with oxide-nitride-film and nanoscale channel," <i>Appl. Phys. Lett.</i> , 2003, Vol. 82(2), pp. 275-277.	
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	A7	RUECKES, T., et al., "Carbon Nanotube-Based Nonvolatile Random Access Memory for Molecular Computing" <i>Science</i> , 2000. Vol. 289, pp. 94-97.	
	A8	FAN, S. et al., "Carbon nanotube arrays on silicon substrates and their possible application," <i>Physica E</i> , 2000. Vol. 8, pp. 179-183.	
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Examiner Signature	Date Considered
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Sheet	3	of	3	Attorney Docket Number	112020.148US1 NAN-24

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A14	DAI, H. et al., "Controlled Chemical Routes to Nanotube Architectures, Physics, and Devices," <i>J. Phys. Chem. B</i> , 1999, Vol.103, pp. 111246-11255.	
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A16	AJAYAN, P.M., et al., "Nanometre-size tubes of carbon," <i>Rep. Prog. Phys.</i> , 1997, Vol. 60, pp. 1025-1062.	
A17	SREEKUMAR, T.V., et al., "Single-wall Carbon Nanotube Films", <i>Chem. Mater.</i> 2003, Vol. 15, pp. 175-178.	
A18	VERISSIMO-ALVES, M. et al., "Electromechanical effects in carbon nanotubes: <i>Ab initio</i> and analytical tight-binding calculations," <i>Phys. Rev. B</i> , 2003, Vol. 67, pp. 161401-1 - 161401-4.	
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A23	LEE, K.H. et al., "Control of growth orientation for carbon nanotubes," <i>Appl. Phys. Lett.</i> , 2003, Vol. 82(3), pp. 448-450.	
A24	CASAVANT, M.J. et al., "Neat macroscopic membranes of aligned carbon nanotubes," <i>Journal of Appl. Phys.</i> , 2003, Vol. 93(4), pp. 2153-2156.	
A25	AMI, S. et al., "Logic gates and memory cells based on single C ₆₀ electromechanical transistors," <i>Nanotechnology</i> , 2001, Vol. 12, pp. 44-52.	
A26	DEHON, A., "Array-Based Architecture for FET-Based, Nanoscale Electronics," <i>IEEE Transactions on Nanotechnology</i> , 2003, Vol. 2(1), pp. 23-32.	
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A28	CUI, J.B. et al., "Carbon Nanotube Memory Devices of High Charge Storage Stability," <i>Appl. Phys. Lett.</i> , 2002, Vol. 81(17), pp. 3260-3262.	
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